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SECURITY *with* **VISION**

FUSION CAPTURE

USER MANUAL
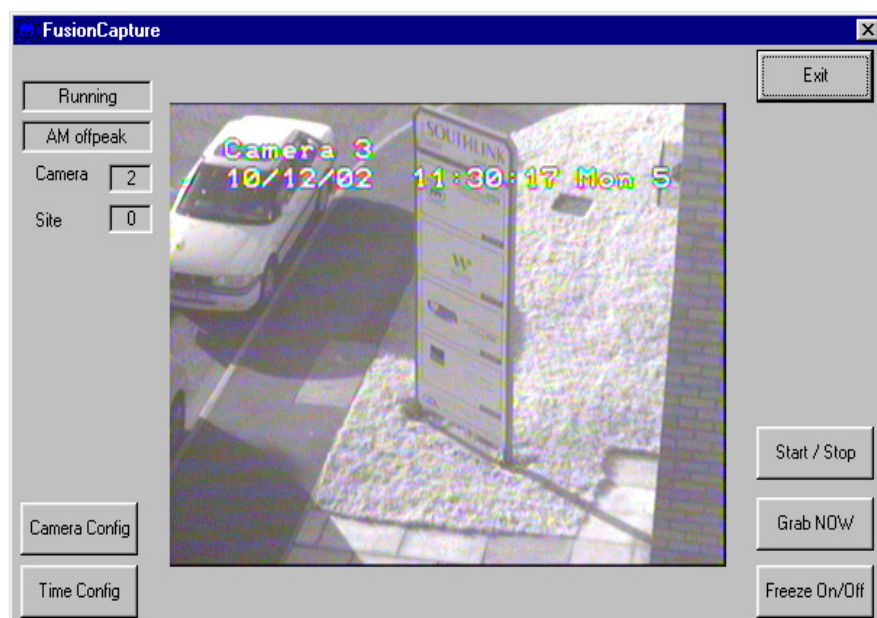
FUSION–CAPTURE
CCTV System
Image Capture Software

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Contents

FUSION–CAPTURE

Introduction

Thank you for purchasing Meyertech's FUSION-CAPTURE software. Please read this user guide prior to using the software. It will help you to achieve the maximum benefit from the software package. The manual covers installation, operation and maintenance of FUSIO-CAPTURE.

What is FUSION-CAPTURE?

FUSION-CAPTURE is part of the FUSION software suite developed by Meyertech.

A Windows application FUSION-CAPTURE takes advantage of both the high resolution graphics and intuitiveness that the Windows environment provides.

Once installed it allows the automated capture of video images.

FUSION-CAPTURE has endless applications. For instance, you can capture images periodically to be displayed on internal or external websites.

KEY FEATURES

- PEAK AND OFF-PEAK OPERATION

- WEEKEND AND EVENING

- SUPPORT FOR REMOTE, DIALUP AND LOCAL CAMERAS

- CAPTURE NOW MODE

- PICTURE FREEZE

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Installation

Minimum System requirements

1. Windows XP
2. 1 GHz processor
3. 256MB RAM recommended
4. CD ROM
5. 100MB hard disk space (Dependant on amount of data stored, plus allow space for backups)
6. Video capture card, supported by Windows
7. Serial port

Install process

1. See the Readme.txt file (located on the install disc) for more details
1.2. Insert CD and setup.exe will auto start
2.3. The directory chosen for install is "C:\Meyertech\FusionCapture". *This must not be changed.*
3.4. Select Typical install
4.5. The installation should now be complete

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Getting Started

Starting

1. Start FusionCapture (FusionCapture.exe)
2. Depending on the model of Video capture card, you will get a window similar to the one shown above – this screen can be disabled in the registry settings.
3. Select the correct type of video signal
4. FusionCapture will now start running.

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The Main Screen

The Main Screen is now displayed
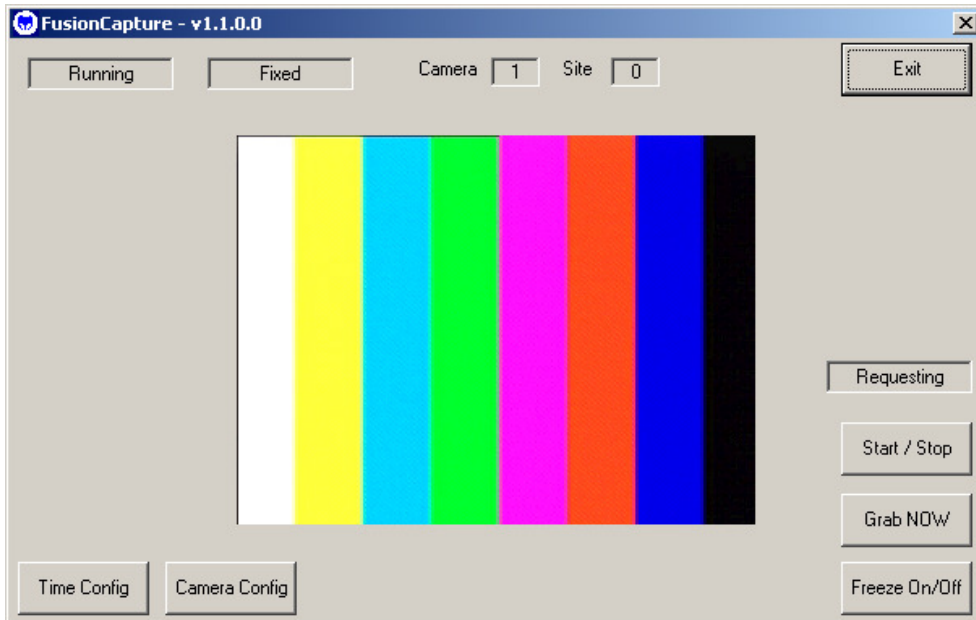
General Operation

FusionCapture is designed to be as automated as possible.

Main Screen Buttons:

1.Select one of the available buttons for the required function.

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1. Start / Stop
   Acts as a toggle and will start and stop the automated capture process.

2. Grab NOW
   Will do an immediate image capture

3. Freeze On/Off
   Acts as a toggle and will freeze the current image.

4. Camera Config
   To enter the camera configuration menu – see later section

5. Time Config
   To enter the time configuration menu – see later section.

6. Exit
   Will exit the application

Main Screen Status:

FusionCapture displays it's current status via the following panes:

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1. <u>Video capture pane</u>
   This pane should display the current video. If the picture is completely blue, it is likely that no video is present. If no video pane is visible it is likely that the video capture device is not working correctly.

2. <u>Capture status pane</u>
   This pane will display the current status of the automated capture process. Either "**Running**" or "**Halted**"

3. <u>Time period pane</u>
   This pane displays the currently active time period – **AM Peak**, **AM Off-peak**, **PM Peak**, **PM Off-peak**, **Evening**, **Weekend** or **Fixed**

4. <u>Camera number pane</u>
   The camera currently being captured.

5. <u>Site number pane</u>
   The site currently being captured.

6. <u>Control pane</u>
   This pane displays the (optional) state of the return to home function – **Stored, Skipped, Requesting, Goto home** or **Deny**

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Camera Configuration

From this menu, the required cameras to be captured are selected.
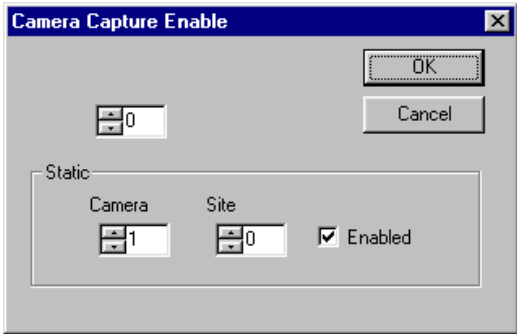
The cameras can be added to the list of capture sources as well as removed. To remove a camera from the list, either overwrite the entry with the details of the new capture source or un-tick the Enabled box.

In a non-site system, the site number should be set to 0 for all cameras.

Time Configuration

From this menu, the capture time periods can be set up.
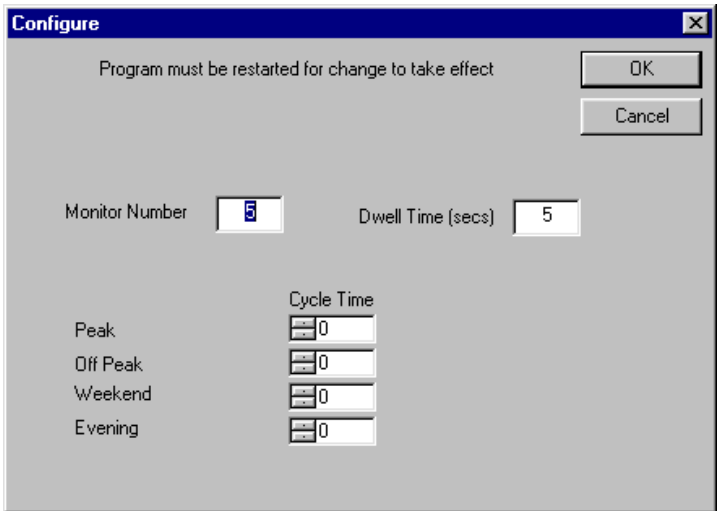
Cycle Time

Cycle times for four time periods can be configured. The cycle time represents the time between successive capture of the same video image. The number entered is in minutes.

Care must be taken in setting these values high enough to allow FusionCapture to get around all of the enabled video sources in the allocated time.

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Period	Start	Stop
AM Peak	7:00 am	9:30 am
AM Off-peak	9:30 am	3:30 pm
PM Peak	3:30 pm	6:30 pm
PM Off-peak	6:30 pm	11:00 pm
Evening (every day)	11:00 pm	7:00 am
Weekend (sat / sun)	7:00 am	11:00 pm

The time periods are defined as above.

Dwell Time
Dwell time is the time period prior to the capture process that FusionCapture displays the video image. This time is only used when capture is not in "Poll For Preset Mode".

Monitor Number
The monitor on the CCTV system matrix that the FusionCapture application controls

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Registry Configuration

A number of FusionCapture parameters are stored within the Windows Registry. Editing of these must only be done by a competent person.

HKEY_CURRENT_USER\Software\Meyertech\Fusion\FusionCapture\FusionCapture

Registry Key	Description	Default setting
Communications\port	Communications port	1
Settings\AutoRequest	Enable auto got home feature. Not required to be set if using "Poll for preset status" mode as it is assumed to be 1.	0 (off)
Settings\CycleTime	The time in minutes that the capture sequence will be repeated. If set to 0 the predefined "traffic" settings are used	0 (off)
Settings\Preset	The "Home" position that the camera will be sent to prior to the image capture	0 (off)
Settings\Site	The site number of the local system	1
Settings\SpotMonitor	The monitor output of the matrix that the application will control	1
Settings\VideoCapture	Display the video capture card configuration window on start-up	0 (off)
Settings\WaitTime	The time in seconds that the application will wait for the camera to reach its "Home" position.	5
Settings\PollPresetCompletion	Whether or not we are to poll for the completion status of a preset instead of waiting a pre determined length of time.	0 (off)
Settings\PresetPollInterval	The length of time in seconds before re-polling for preset completion.	2
Settings\PresetPollCount	The number of times to poll for a preset status before timing out. And moving onto the next number in the sequence.	10
Workstation\number	The MAC number used by the application to take control of a camera	1
Workstation\path	The directory path for the stored images. The application will store the files in the subdirectory "Snapshots" underneath this path	C:\meyertech\FusionCapture

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Output Files

The video image capture files are stored as Jpegs.

The image size is 384 by 288 pixels

The filename is made up from the camera and site number.

Site<number>**camera**<number>**.jpg**

Eg for camera 15 on site 2 : **Site2camera15.jpg**

Camera 1 on site 0 (local) : **Site0camera1.jpg**

Traffic Mode

In this mode the application automatically cycles around the list of cameras taking snapshots.

The timings of the sequence are controlled by the time of day and day of week. See table on page 9.

Auto-Home Mode

In this mode the application automatically cycles around the list of cameras taking snapshots.

Prior to taking a snapshot, the camera is returned to its home position. If a camera is currently in use by an operator then this operation will fail and a snapshot will not be taken.

Preset Completion Mode

This mode is an extension of the Auto-Home Mode and the setting of the latter mode is automatically assumed. After telling the camera to "return to home" FusionCapture will begin polling the status of the return to home operation.

The number of times the poll is made and the length of time between polling are both configurable.

If FusionCapture is returned a completion status a snapshot will be taken and no more polling will occur for this segment of the sequence. If the total number of polling attempts is exceeded, the return home operation was refused (perhaps due to an operator of higher priority using the camera) or the return home status failed then no snapshot will be taken.

After both types of outcome FusionCapture will move onto the next camera in the sequence – like Auto-Home Mode after a timeout.

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System Reset

8.1. The application has no requirement for a reset. If in doubt reset the PC.

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Maintenance

FusionCapture is designed to operate without any regular maintenance. However, the capture files can be deleted if required.

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Servicing and Support

Servicing

If you have purchased any Fusion PC Hardware as part of your FusionCapture package:

Your FUSION PC Hardware requires no Planned Preventive Maintenance periods (PPM's), as it is mainly solid state in design. If your system incorporates a FUSION Touchscreen this may need recalibrating from tome to time. In this instance please refer to the OEM manuals.

Your FUSION PC Hardware contains no serviceable parts and should be returned to our Service Centre in Oldham for repair or replacement under warranty. Any repairs, attempted repairs or replaced components not carried out by the Meyertech Service Centre will void all Meyertech warranties and liabilities.

If your FUSION PC Hardware has to be returned to our Service Centre please follow the returns procedure below, otherwise delays may be incurred in returning or replacing it.

Returns Procedure

Prior to returning any of your FusionCapture equipment

1. Contact our Oldham office by phone on +44 (0) 161 628 8406 or by email support@meyertech.co.uk for a Goods Return Number, GRN.
2. Our staff along with the reported problem will log the GRN.
3. Pack the Fusion Workstation, Monitor or Touchscreen into the original packing it was delivered in. Failure to do so means the equipment may incur further damage in transit, which Meyertech cannot be responsible for.
4. Organise delivery of the equipment back to our Oldham office (address is shown below). Use a reputable carrier, as again Meyertech cannot accept liability for loss or damage of goods in-transit.
5. On receiving the Fusion Workstation, Monitor or Touchscreen our staff will, after initial examination advise of the course of action we intend to take.
    a. Repair the Fusion Workstation, Monitor or Touchscreen under warranty. The Fusion Workstation, Monitor or Touchscreen will be repaired and returned to you free of charge.
    b. Replace the Fusion Workstation, Monitor or Touchscreen under warranty. The Fusion Workstation, Monitor or Touchscreen will be repaired and returned to you free of charge.
    c. Repair the Fusion Workstation, Monitor or Touchscreen at a quoted cost. An official purchase order to cover the cost and return of the product will be required prior to commencement of repair.
    d. Advise you that the Fusion Workstation, Monitor or Touchscreen is not repairable. You can then decide to have the product returned to you at the standard delivery charge or we can dispose of the product free of charge.

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Support

Meyertech offer comprehensive levels of support during the product's warranty period. Our support team will be happy to help with any problem you may experience relating to the installation or operation of FusionCapture

1. Telephone support (+44(0)161 628 8406), which is available during normal office hours 9AM – 5PM Monday to Friday excluding Bank holidays. This support is free of charge.
2. Email support. Available 24 hours a day. Our normal response to emails is next working day. This support is free of charge. support@meyertech.co.uk
3. By Facsimile (+44(0)161 628 9811). Available 24 hours a day. Our normal response to facsimiles is next working day. This support is free of charge.
4. Site visits. Subject to availability, our engineers are available to attend site to assess and help with particular system problems firsthand. This service is chargeable. Please contact our Support department on +44(0)161 628 8406 for further details and availability.

Meyertech offer Extended Support Contracts on all their software products. Please contact our Sales department on 0161 628 8406 to discuss your requirements or visit our website www.meyertech.co.uk

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Meyertech Limited is a member of the CCTV User Group.

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Warranty

Please refer to Meyertech Limited 'Terms & Conditions of Sale of Goods & Services' for interpretation.

1. If the Buyer establishes to the Seller's reasonable satisfaction that there is a defect in the materials or workmanship of the Goods manufactured, then the Seller shall at its option, at its sole discretion and within a reasonable time,
    a. arrange for the repair or making good such defect or failure in such Goods free of charge to the Buyer (including all costs of transportation of any Goods or materials to and from the Buyer for that purpose),
    b. replace such Goods with Goods which are in all respects in accordance with the Contract, or

   subject, in every case, to the remaining provisions of this Condition 1 provided that the liability of the Seller under this Condition 1 shall in no event exceed the purchase price of such Goods and performance of anyone of the above options shall constitute an entire discharge of the Seller's liability under this warranty.

2. Condition 1 shall not apply unless the Buyer:

    a. notifies the Seller in writing of the alleged defect within 12 (twelve) months from delivery or such other period or periods as may be agreed in writing between the Seller and the Buyer, and
    b. allows the Seller a reasonable opportunity to inspect the relevant Goods.

3. For the avoidance of doubt, the Seller shall be under no liability under the warranty in Condition 1 above:
    a. where such defects arise from any drawing, design or specification supplied by the Buyer; or
    b. where such defects arise from fair wear and tear, wilful damage, or negligence of a party other than the Seller (or its employees or authorised personnel), abnormal working conditions, failure to follow the Seller's instructions (whether oral or in writing), misuse or alteration or repair of the Goods without the Seller's approval; or
    c. where such defects arise in parts, materials or equipment which have not been manufactured or designed by the Seller but have been purchased at the Buyer's request by the Seller from the Buyer's designer and manufacturer or from some other third party (the **"Third Party Supplier").**
    d. if the total price of the Goods has not been paid by the due date for payment
    e. in respect of any type of defect, damage or wear specifically excluded by the Seller by notice in writing: or
    f. if the Buyer makes any further use of the Goods after giving notice in accordance with Clause 1

4. Any repaired or replaced Goods shall be redelivered to the Buyer free of charge to the original point of delivery but otherwise in accordance with and subject to these Conditions.

5. Alternatively to Condition 1 the Seller shall be entitled at its absolute discretion on return of the defective Goods to the Seller (at the Seller's request) to refund the price of the defective Goods in the event that such price shall already have been paid by the Buyer to the Seller, or, if such price has not been paid, to relieve the Buyer of all obligation to pay the sum by the issue of a credit note in favour of the Buyer in the amount of such price.

6. In respect of all Goods supplied to the Seller by a Third Party Supplier the Seller will on request pass on to the Buyer (in so far as reasonably possible) the benefit of any warranty given to the Seller by such Third Party Supplier and will (on request) supply to the Buyer details of the terms and conditions of such warranty and copies of any relevant product information sheets, technical data sheets or product leaflets issued by such Third Party Supplier and the Buyer shall be solely responsible to the entire exclusion of the Seller for complying with the same.

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7. For the purposes of Condition 1 references to Goods shall be deemed to exclude software.

8. The Buyer acknowledges that software in general is not error-free and agrees that the existence of such errors in the Software Programs shall not constitute a breach of this Contract.

9. In the event that the Buyer discovers a material error which results in the Programmed Products not performing substantially in accordance with the Functional Specification, or the Licensed Programs not performing substantially in accordance with the relevant Program Documentation and notifies the Seller of the error within 90 days from the date of the Seller making available the respective software to the Buyer (the `**warranty period**") the Seller shall at its sole option either refund the price which the Buyer has paid to the Seller (or if such price has not been paid, relieve the Buyer of all obligations to pay the sum) in respect of the respective software or use all reasonable endeavours to correct by patch or new release (at its option) that part of the software which does not so comply provided that such non-compliance has not been caused by any modification, variation or addition to the software not performed by the Seller or caused by its incorrect use, abuse or corruption of the software by use of the software with other software or on equipment with which it is incompatible,

10. To the extent permitted by English law, the Seller disclaims all other warranties, with respect to the software which it provides pursuant to the Contract, either express or implied, including but not limited to any implied warranties of satisfactory quality or fitness for any particular purpose.

11. The Buyer is solely responsible for various scanning the software that it receives from the Seller pursuant to the Contract.

12. The Seller warrants that it will use reasonable skill and care in providing the Services to the buyer

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